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PATENT  
Case No. N0177US

  
Signature

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:

Rajashri Joshi

Serial No.: 10/714,131

Filed: 11/14/2003

For: BOWING COEFFICIENT REPRESENTATION  
OF CURVATURE OF GEOGRAPHIC  
FEATURES

Group: 3661

Examiner:  
O. Hernandez**SECOND INFORMATION  
DISCLOSURE STATEMENT**

Commissioner for Patents  
PO Box 1450  
Alexandria, VA 22313-1450

Dear Sir:

Pursuant to 37 C.F.R. §1.56 and in conformance with 37 C.F.R. §§ 1.97-1.99, Applicant discloses the reference(s) listed on the attached form PTO-1449 for consideration by the Examiner.

This information disclosure statement lists references cited in the prior application, Serial No. 09/772,587, now U.S. Patent No. 6,681,177 which is relied upon for an earlier priority date under 35 U.S.C. §120, and accordingly, copies of these references are not included with this submission, as permitted by 37 C.F.R. §1.98(d).

Applicant requests that the Examiner review the entire disclosure of each listed reference. The Examiner is requested to acknowledge consideration of the reference(s) by initialing the appropriate location(s) on the form PTO-1449 enclosed herewith.

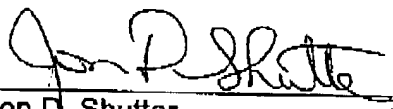
EXHIBIT 1

Applicant submits that the claimed subject matter of the present application defines over the cited prior art.

Applicant does not represent any cited reference to be prior art and Applicant reserves the right to disqualify any reference by the showing of an earlier date of invention, if appropriate.

This Information Disclosure statement is accompanied by a Fee Transmittal that authorizes payment of the fee associated with submission of this information disclosure statement.

Respectfully submitted,



Jon D. Shutter  
Reg. No. 41,311  
Attorney for Applicant

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FORM PTO-1449		SERIAL NO.	CASE NO.
LIST OF PATENTS AND PUBLICATIONS FOR APPLICANT'S INFORMATION DISCLOSURE STATEMENT (use several sheets if necessary)		10/714,131	N0177US
		FILING DATE 11/14/2003	GROUP ART UNIT 3661
APPLICANT(S): Joshi			

## REFERENCE DESIGNATION

## U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS/ SUBCLASS	FILING DATE
	A1	6728392	04/2004	Joshi	382/104	
	A2					
	A3					
	A4					
	A5					
	A6					
	A7					
	A8					
	A9					
	A10					
	A11					
	A12					

## FOREIGN PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS/ SUBCLASS	TRANSLATION YES NO
	A13					
	A14					
	A15					
	A16					
	A17					

EXAMINER INITIAL		OTHER ART (Including Author, Title, Date, Pertinent Pages, etc.)
	A18	U.S. patent application Serial No. 09/729,939, filed December 5, 2000, entitled "Method and System for Representation of Geographic Features in a Computer-Based System" (not yet published).
	A19	
	A20	
	A21	
	A22	

EXAMINER	DATE CONSIDERED
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EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Rev. Oct. 97

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PAGE 12/13 \* RCVD AT 5/26/2004 12:02:54 PM [Eastern Daylight Time] \* SVR:USPTO-EFXXRF-1/2 \* DNIS:8729326 \* CSID:13128947228 \* DURATION (mm-ss):04-22

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Approved for use through 07/31/2006. OMB 0651-0032  
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE**FEE TRANSMITTAL  
for FY 2004**

Effective 10/01/2003, Patent fees are subject to annual revision.

☐ Applicant claims small entity status. See 37 CFR 1.27TOTAL AMOUNT OF PAYMENT (\$)**1800****Complete if Known**

Application Number	10/714,131
Filing Date	11/14/03
First Named Inventor	JOSH I
Examiner Name	O. HERNANDEZ
Art Unit	3661
Attorney Docket No.	NO177 US

**METHOD OF PAYMENT (check all that apply)**☐ Check ☐ Credit card ☐ Money Order ☐ Other ☐ None☒ Deposit Account:

Deposit Account Number	50 0728
Deposit Account Name	NAVIEQ North America, LLC

The Director is authorized to: (check all that apply)

☒ Charge fee(s) indicated below ☒ Credit any overpayments  
☒ Charge any additional fee(s) or any underpayment of fee(s)  
☐ Charge fee(s) indicated below, except for the filing fee to the above-identified deposit account.
**FEE CALCULATION****1. BASIC FILING FEE**

Large Entity Fee Code (\$)	Small Entity Fee Code (\$)	Fee Description	Fee Paid
1001 770	2001 385	Utility filing fee	
1002 340	2002 170	Design filing fee	
1003 530	2003 265	Plant filing fee	
1004 770	2004 385	Reissue filing fee	
1005 180	2005 80	Provisional filing fee	

SUBTOTAL (1) (\$)

**2. EXTRA CLAIM FEES FOR UTILITY AND REISSUE**

Total Claims	Extra Claims	Fee from below	Fee Paid
Independent	-20** =	X	
Multiple Dependent	-3** =	X	

Large Entity Fee Code (\$)	Small Entity Fee Code (\$)	Fee Description	Fee Paid
1202 18	2202 9	Claims in excess of 20	
1201 85	2201 43	Independent claims in excess of 3	
1203 290	2203 145	Multiple dependent claim, if not paid	
1204 85	2204 43	** Reissue independent claims over original patent	
1205 18	2205 9	** Reissue claims in excess of 20 and over original patent	

SUBTOTAL (2) (\$)

\*\*or number previously paid, if greater. For Reissues, see above.

**FEE CALCULATION (continued)****3. ADDITIONAL FEES**

Large Entity Fee Code (\$)	Small Entity Fee Code (\$)	Fee Description	Fee Paid
1051 130	2051 65	Surcharge - late filing fee or oath	
1052 50	2052 25	Surcharge - late provisional filing fee or cover sheet	
1053 130	1053 130	Non-English specification	
1812 2,520	1812 2,520	For filing a request for ex parte reexamination	
1804 920	1804 920	Requesting publication of SIR prior to Examiner action	
1805 1,840	1805 1,840	Requesting publication of SIR after Examiner action	
1251 110	2251 55	Extension for reply within first month	
1252 420	2252 210	Extension for reply within second month	
1253 850	2253 475	Extension for reply within third month	
1254 1,480	2254 740	Extension for reply within fourth month	
1255 2,010	2255 1,005	Extension for reply within fifth month	
1401 330	2401 165	Notice of Appeal	
1402 330	2402 165	Filing a brief in support of an appeal	
1403 290	2403 145	Request for oral hearing	
1451 1,510	1451 1,510	Petition to institute a public use proceeding	
1452 110	2452 55	Petition to revive - unavoidable	
1453 1,330	2453 665	Petition to revive - unintentional	
1501 1,330	2501 665	Utility issue fee (or reissue)	
1502 480	2502 240	Design issue fee	
1503 640	2503 320	Plant issue fee	
1460 130	1460 130	Petitions to the Commissioner	
1807 50	1807 50	Processing fee under 37 CFR 1.17(e)	
1808 180	1808 180	Submission of Information Disclosure Stmt	180
8021 40	8021 40	Recording each patent assignment per property (times number of properties)	
1809 770	2809 385	Filing a submission after final rejection (37 CFR 1.129(a))	
1810 770	2810 385	For each additional invention to be examined (37 CFR 1.129(b))	
1801 770	2801 385	Request for Continued Examination (RCE)	
1802 900	1802 900	Request for expedited examination of a design application	

Other fee (specify)

\*Reduced by Basic Filing Fee Paid

SUBTOTAL (3) (\$)**1800****SUBMITTED BY**

Name (Print/Type)	Jon D. Shutter	Registration No. (Attorney/Agent)	47,311	Telephone	312/894-7000
Signature	<i>Jon D. Shutter</i>	Date	5-20-04		

WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.

This collection of information is required by 37 CFR 1.17 and 1.27. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS.